

Finishing Facts

Waste Sampling Products Sought for ASTM Guide
Users and manufacturers of waste sampling methodologies are invited to list their new sampling products in the revision of Standard D 6232, *Guide for the Selection of Sampling Equipment for Waste and Contaminated Media Data Collection Activities*. Task Group D34.01.02 on Selecting Sampling Methodology, part of the American Society for Testing Materials (ASTM) Committee D-34 on Waste Management, is asking interested parties to list their new products. A number of products is already on the list, such as Sludge Judge and Swing Bottle Sampler.

For more information, contact Brian Anderson, SCA Business Services (phone: 608/643-4913).

SSPC 98 Attracts Record Numbers

The SSPC 98 International Conference & Exhibition, sponsored by the Society for Protective Coatings, attracted a record-breaking number of delegates. Held in November at Orlando, FL, the event tallied 3,243 users and suppliers of coatings and coatings-related products and services during the four-day event.

Officials have announced that SSPC 99 will be held November 14-18 at Houston, TX.

WESTEC '99

Is March 22-25

WESTEC '99 is set for March 22-25 at the Los Angeles Convention Center. Officials of the event say that more than 700 exhibitors have already reserved space, up 20 percent from the 1998 exhibit. WESTEC is sponsored by the Society of Manufacturing Engineers (SME), the American Machine Tool Distributors' Association (AMTDA), and the Association for Manufacturing Technology (AMT).

Company News

o **Shipley Company**, Marlborough, MA, is opening a new printed wiring board (PWB) technical support and business center in Singapore. The center will provide customers in Southeast Asia with expanded direct

service and support resources from Shipley. Shipley has provided specialty chemical systems to the electronics industry for 41 years.

o **TASKEM, Inc.**, Cleveland, OH, honored top sales performers and distributors at its annual meeting in October. Steve Koka, **WD Forbes Company**, was honored for outstanding effort and success in sales promotions. Bob Tefft, **Future Chemicals, Inc.**, was recognized for the greatest sales percentage increase for 1998. Sales achievement awards were also presented to **BroCo Products, Inc.**; **Mibus, Inc.**; and **Brent America, Inc.**

o **Bethlehem Steel Corporation's Sparrows Point (Maryland) Division** is reducing the sludge generated in two halogen electrolytic tin plating lines by more than 98 percent, from 840 tons to 12 tons annually. The electrolytic plating baths on the two lines are being converted to a recently developed plating solution in which the main ingredient is methanesulfonic acid rather than halide salts and sodium ferrocyanide.

Test Your Plating I.Q. #337

By John Laurilliard, CEF

Temperature (fill in the blanks)

1. Following is the formula for converting Fahrenheit to Celsius:
2. Following is the formula for converting Celsius to Fahrenheit:
3. The conversion of Celsius to Fahrenheit can be done more quickly and mentally without paper and pencil by: (1) Multiply Celsius by ____; (2) subtract ____% from result in step 1; and (3) add ____ to the result in step 2.
4. As a rule of thumb, a chemical reaction will double for each ____ degrees Celsius rise in temperature.
5. While most substances contract on freezing or solidifying, ____ expands.

Answers are on page 80.

The new solution can be recycled and continually re-used while the lines are operating. The smaller amount of insoluble material, or sludge, generated is not a hazardous waste. The sludge can be recycled by a detinning firm.

The conversion involves a proprietary plating bath process developed by **LeaRonal, Inc.**, Freeport, NY. Both lines will be converted to the new process by the end of 1999.

Sparrows Point is Bethlehem Steel's only production facility for tin mill products.

o **Petroferm, Inc.**, Fernandina Beach, FL, is acquiring **Hansotech, Inc.**, Woodbury, NY. Hansotech sells natural waxes and oils and specialized wax and oil derivatives, primarily for the personal care products industry. Petroferm designs, manufactures and sells a wide range of cleaning products, conventional and silicone-based surfactants, esters and Guerbet alcohol derivatives for a number of applications, including the aerospace and electronics industries.

o **Kolene Corporation**, Detroit, MI, recently achieved ISO 9001 registra-

Congratulations, New CEFs!

AESF congratulates these individuals for completing the requirements to earn the designation of Certified Electroplater-Finisher (CEF):

Ricky Anderson, Johnson Matthey
Antoine Dieudonne, Enthone-OMI, Inc.
Theodore K. Antonellis, Enthone-OMI, Inc., Waterbury Branch
Devanee Auel, Glacier Vandervelle, Inc., Nebraska-Iowa Branch
Patricia A. Cacciatore, Enthone-OMI, Inc., Bridgeport Branch
Wayne L. Carswell, Stanley Mechanics Tools
Cynthia J. Cross, Summit Corp. of America, Waterbury Branch
Steve L. Delaney, Enduro Niagra, Toronto Branch
Vijay K. Kansupada, Enthone-OMI, Inc., Southeastern Branch
Jeffrey A. LeRette, Guardian West, Chicago Branch
Vu T. Nguyen, Summit Corp of America, Waterbury Branch
William Scheibel, Jr., Pratt & Whitney Aircraft, Waterbury Branch
Victor Waldman, Enthone-OMI, Inc., Waterbury Branch
Thomas Galaida, Nobert Plating Company, Chicago Branch

Bob Bryant, U.S. Air Force
Warren Smith, Inco, Ltd., Toronto Branch
Gene Hudson, HH Sumco, Inc., Indianapolis Branch
Hanie Miri, Precision Plating, Chicago Branch
Nathan Olson, Chrometech of Wisconsin, Inc., Milwaukee Branch
Steven Summers, Electro-Spec, Inc. Indianapolis Branch
Michael Lindermann, John Schneider & Associates, Inc., Milwaukee Branch
Carl Montross, Theta Plate, Inc., Phoenix Branch
Catherine Ream, Teikuro Corp., Dayton Branch
Clark Brauner, Atotech USA, Inc., Indianapolis Branch
Robert Zimmerman, General Electric Aircraft Engines, Cincinnati Branch
Christopher Taylor, Allied Signal FM&T, Kansas City Branch
David Murphy, Phelps Dodge HPC, Palmetto Branch
Feng Liang, Long Manufacturing, Dana Corp., Toronto Branch
Russell E. Eiler, Ingersoll-Rand Von Duprin Div., Indianapolis Branch
Jonathan C. Hughes, Boeing Company
J. Michael Hudson, ASKO Processing, Seattle-Puget Sound Branch
David E. Steele, Johnson Matthey Electronics, Inc., Seattle-Puget Sound Branch

tion. The company develops technology and systems for metal cleaning.

o One hundred years ago Dwight F. Davis commissioned luxury retailer **Shreve, Crump & Low** to create the first Davis Cup Trophy. The Boston-based company has been tapped again to ready the cup for the new millennium.

This time, Shreve, Crump & Low will team-up with **Reed & Barton**, one of the oldest silversmiths in the country, to redesign portions of the Davis Cup prior to returning it to the Longwood Cricket Club in July. The new design will allow room for winners' names to be listed into the 21st century.

Answers to quiz from page 79.

1. $(F^{\circ} - 32^{\circ}) \frac{5}{9} = C^{\circ}$
2. $9C^{\circ}/5 + 32^{\circ} = F^{\circ}$
3. (1) 2
(2) 10%
(3) 32°
4. 10°
5. Water

Don't Gamble with Our Future—Invest in It!

Since 1927—that's more than 70 years!—the AESF has spent millions of dollars on research projects that were believed to help insure the future of our industry and the future of our way of life.

Without research, the future is left to chance. With the many research projects in progress now, we are *designing* our own future. Everyone in the metal finishing industry benefits from research, and ultimately, the general public benefits, too. We are an important support industry to *all* manufacturing endeavors, and we must not forget that.

Recently, contributions for research have been falling. To insure our future, we need the help of everyone in the industry. The Research Sponsors Committee believes that it is the duty of every branch to become a research sponsor, and it is the duty of every member to become a research contributor. We also feel confident that the entire AESF leadership shares this philosophy, too.

We must not gamble with our future. The only way we can insure a bright future is through research, and the only way we can insure the continuance of our research program is with your help.

I cannot state it more simply: *The future of our industry depends on you.* Your support and help are needed now. Only through research can we be the leaders of tomorrow.

—Robert P. Goulet, P.E., CEF
Chairman, AESF's Research Sponsors Committee